

Claims

- 5 1. Method for monitoring a technical installation, especially
for carrying out diagnosis,
comprising acquiring at least one human physiological re-
action of a human during an inspection tour of said human
around at least one part of the technical installation.
- 10 2. Method according to claim 1,
whereby said human physiological reaction includes at
least one of neuritic currents and changes in neuritic
currents and blood pressure and changes in blood pressure
15 and pulse rate and changes in pulse rate and pulse
strength and changes in pulse strength and galvanic skin
reflex and changes in galvanic skin reflex and breathing
patterns.
- 20 3. Method according to claim 1 or 2,
whereby a camera device is employed to record said human's
sight including changes in said human's directions of
sight.
- 25 4. Method according to any of claims 1 to 3,
whereby said human is equipped with at least one sensor
device to acquire said human's physiological reaction.
- 30 5. Method according to any of claims 1 to 4,
further comprising storing said human's physiological re-
action in a database, said database representing a history
of said human's physiological reaction.
- 35 6. Method according to any of claims 1 to 5,
further comprising assigning said acquired human physio-
logical reaction at least one of a failure and process

**REPLACED BY
ART 34 AMDT**

8

disturbance and normal operation of at least one component of the technical installation.

7. Apparatus for carrying out diagnosis of a technical installation,
5 comprising at least one sensor device for acquiring at least one human physiological reaction of a human during an inspection tour of said human around at least one part of the technical installation.
- 10 8. Apparatus according to claim 7,
whereby said human physiological reaction includes at least one of neuritic currents and changes in neuritic currents and blood pressure and changes in blood pressure
15 and pulse rate and changes in pulse rate and pulse strength and changes in pulse strength and galvanic skin reflex and changes in galvanic skin reflex and breathing patterns.
- 20 9. Apparatus according to claim 7 or 8,
further comprising a camera device to record said human's sight including changes of said human's directions of sight.
- 25 10. Apparatus according to any of claims 7 to 9,
further comprising a database for storing said human physiological reaction, said database representing a history of said human's physiological reaction.
- 30 11. Apparatus according to any of claims 7 to 10,
whereby said acquired human physiological reaction is assigned at least one of a failure and process disturbance and normal operation of at least one component of the technical installation.